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AccessLevel

Public

Division

Waste Management

Section

Superfund

Program

IHS (IHS)

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Facility



Division of Waste Management

Beverly Eaves Perdue Governor

Dexter R. Matthews
Director

Dee Freeman Secretary

June 8, 2011

Mr. James Boyer Transylvania County Environmental Health 98 East Morgan Street Brevard, NC 28712

Re: Transylvania County Pre-Regulatory Landfills

Dear Mr. Boyer:

As you requested, attached is information regarding pre-regulatory landfills in your county. This information is both from our database and site summary reports we have in our files. If you have any questions regarding this information, I may be reached at 919-508-8420 or analee.thornburg@ncdenr.gov.

Sincerely,

Analee Mornburg
Analee Thornburg

Pre-Regulatory Landfill Unit Inactive Hazardous Site Branch NC Division of Waste Management

Enclosures





Beverly Eaves Perdue Governor Division of Waste Management
Dexter R. Matthews
Director

Dee Freeman Secretary

January 14, 2010

Mr. Arthur C. Wilson, Jr., County Manager Transylvania County 21 East Main Street Brevard, NC 28712

Subject: Pre-Regulatory Landfill Sites in Transylvania County

Dear Mr. Wilson:

The General Assembly of North Carolina enacted Senate Bill 1492 which created a program to assess the public health and environmental hazards at landfill and dump sites that operated prior to 1983 and to develop and implement remedial action plans at sites requiring remediation. The Pre-Regulatory Landfill Unit (Unit) was created in the Inactive Hazardous Sites Branch (IHSB) to oversee these activities. The purpose of this letter is to make you aware of the sites identified in your county and to provide general guidance of relevant state statutes.

Based on the information obtained by the Unit, the sites listed below tentatively qualify under Senate Bill 1492. Please note that for landfills that do not have a specific street address, GIS coordinates in the State Plane Coordinate system (NAD83) are provided.

ID Number	Site Name	Site Address
NONCD0000208	Brevard Dump	Illahee Point, Brevard, NC
		X: 267871, Y: 168504
NONCD0000590	Rosman Dump	Old Highway 64, Rosman, NC
		X: 258697, Y: 160065
NONCD0000591	Davidson River Dump	Poplar Lane, Pisgah Forest, NC
	,	X: 273781, Y: 172481
NONCD0000592	Lake Toxaway Dump	Catatoga Resort Community, Lake Toxaway, NC
		X: 252669, Y: 159473

Work at these sites may be performed using the Unit's resources or through local government actions. The Unit has prioritized the sites statewide based on their threat to public health and the environment and will perform assessments and implement remedial actions based on this priority. Local governments may opt to perform the work at any time under the guidance of the Unit. Reimbursement of local government costs may be available for assessments and remedial actions to abate an imminent hazard as funds are available. The conditions for reimbursement include approval of the assessment and remediation plan by the Unit and certified accounting of costs. A document, IHSB *Guidelines for Addressing Old Landfills & Dumps*, was developed to assist local governments and the Unit in this work. It is available on our web site, http://wastenotnc.org/sfhome/IHSBRNCH_OldLandfills.HTM_, for your review.



An additional purpose in notifying you of these sites is to provide information to assist in your responsibilities in the permitting of private drinking water wells. The General Assembly enacted legislation which required local health departments to implement programs for the permitting, inspecting, and testing of private drinking water wells by July 1, 2008. State well construction standards in 15A NCAC 2C require a minimum horizontal separation of 500 feet between a water supply well and a landfill or disposal site. More precise location information for the sites in your county may be requested from the Unit.

If you are aware of additional sites, have additional information on the identified sites, or need further information, please contact me at (919) 508-8463.

Sincerely,

Bruce E. Lefler, Jr., Hydrogeologist

Bruce Clefles J

Pre-Regulatory Landfill Unit Inactive Hazardous Sites Branch

Superfund Section

cc: Mr. James A. Boyer, Transylvania County Environmental Health Supervisor



Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor William G. Ross Jr., Secretary

February 26, 2007

<SAL> <FIRST> <LAST>, County Manager County of <MUNICIPALITY> <ADDRESS> <TOWN>, North Carolina <ZIP>

Subject:

Assessment, Cleanup, and Redevelopment of Old Landfill Sites Within Your Jurisdiction

Dear <SAL> <LAST>:

Governor Easley released his proposed budget February 22, 2007. Included in the budget is a specific item I believe should be of interest to you from a fiscal, environmental and public health protection perspective.

There are approximately 700 old landfills statewide and <LANDFILL#> old landfills in your local area that closed before the State permitting system became effective. These landfills are listed on the Old Landfill Sites portion of the Inactive Hazardous Sites Inventory maintained by the Superfund Section, Division of Waste Management. Any person, including local governments, that arranged for disposal or disposed of waste in the landfills may be held liable for the cleanup of the site. I have attached a report that identifies the location of known old landfill sites in <COUNTY NAME> County that may have closed prior to 1983 and thus qualify for the program described in this letter.

The Division has surveyed old landfills in 47 counties. The results of the survey indicate reason for concern about potential public health and safety impacts of these sites if they are not addressed. Seventy percent of the sites surveyed had a school, church, residence, day care or drinking water source within 1000 feet. The Division has found 102 old landfills that have a drinking water well within 500 feet. Thirteen of the landfills surveyed have residences built over the old landfill. The cost of assessment and cleanup of these old landfill sites can be as high as several million dollars.

Governor Easley's budget establishes a partnership between the State and local governments to both clean up the old landfill sites and provide funding for redevelopment of the sites. Many are in prime locations for redevelopment opportunities. The Governor's budget proposes to pay for cleanup and redevelopment of these sites through a surcharge on disposal of solid waste. The funding mechanism is a fair one. It is based on the idea that those who use solid waste disposal facilities should share responsibility for cleanup of sites used for solid waste disposal in the past that may have been lawful at the time, but did not meet standards that we now know are necessary to protect public health and safety.

The proposed \$2.00 per ton disposal surcharge would apply to residential, commercial, industrial, and construction and demolition debris type waste that is either disposed at a landfill or passes through a transfer station for disposal out-of-state. The State would use revenue from the surcharge to contract for cleanup of the old landfill sites and to provide grants to local government for redevelopment. The funds could also be used across the state to clean up other hazardous substance disposal sites that have no viable responsible party.

The only tool currently available to the State to ensure cleanup when it is needed is an enforcement action against those who owned, operated, or contributed to old landfills. The Governor's proposal would avoid placing an unreasonable

burden on any one local government and allow us to use our resources for actual cleanup rather than legal action. When old landfill sites were in use, North Carolina citizens, businesses, and industries benefited from their existence as a place to dispose of waste. The surcharge on waste disposal is a way for citizens, businesses, and industries to form a partnership for cleanup and redevelopment of these old landfill sites.

There is great interest this session of the General Assembly in strengthening requirements for landfills permitted in North Carolina. I encourage you to take a close look at legislation that will be introduced, specifically this initiative and what it can bring to your jurisdiction.

If you have questions regarding the program for clean-up of old landfills, please contact Jack Butler, Chief of the Superfund Section, at jack.butler@ncmail.net or call (919)508-8450.

Sincerely,

Dexter R. Matthews, Director

cc: David Thompson, NCACC

Jack Butler, Chief - Superfund Section



Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor William G. Ross Jr., Secretary

February 27, 2007

<SAL> <FIRST> <LAST> <TITLE>, <MUNICIPALITY> <ADDRESS> <TOWN>, North Carolina <ZIP>

Subject:

Assessment, Cleanup, and Redevelopment of Old Landfill Sites Within Your Jurisdiction

Dear <SAL> <LAST>:

Governor Easley released his proposed budget February 22, 2007. Included in the budget is a specific item I believe should be of interest to you from a fiscal, environmental and public health protection perspective.

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There is great interest this session of the General Assembly in strengthening requirements for landfills permitted in North Carolina. I encourage you to take a close look at legislation that will be introduced, specifically this initiative and what it can bring to your jurisdiction.

If you have questions regarding the program for clean-up of old landfills, please contact Jack Butler, Chief of the Superfund Section at <u>jack.butler@ncmail.net</u> or (919) 508-8450.

Sincerely,

Dexter R. Matthews, Director

cc: Ellis Hankins, NCLM

Jack Butler, Chief - Superfund Section

The mailing list for these letters is filed in a folder in the first file cabinet drawer for the old landfill sites.

A statewide Old Landfill Inventory report is filed in a folder in the first file cabinet drawer for the old landfill sites.

Memorandum

Date: October 5, 2005

To: James Bateson

Site Evaluation and Removal Branch Head

NC Superfund Section

From: Harry Zinn

Environmental Engineer NC Superfund Section

Subject: Concerns at the Ecusta Mill Site

Pisgah Forest, Transylvania County, NC

EPA ID: NCD 033 166 675

Below are listed the areas of concern (AOCs) that remain at the Ecusta site and possible actions to address these concerns:

1. Electro-Chemical Building

Concerns: Mercury contamination documented in the groundwater and via the

overland flow pathway to and in the Davidson River.

Remedy:

a. Remedy for source area under EC Building for ongoing groundwater release, remedy for air release into building, remedy floor drains and drainage flume under loading dock to eliminate ongoing release into process area ditch.

b. Remedy sediments in process ditch.

c. Fully investigate sediments in Davidson for mercury contamination.

d. Screening level ecological risk assessment for surface water pathway.

Air Sampled inside Building at benchmark levels

Soil SRG 4.6 mg/kg mercury Loading Dock (4.3, 69, 31)

Groundwater 2L 11ug/l mercury Temp MW at Loading Dock 9 ug/l

Process Area Ditches (14 and 10 mg/kg)

S&ME MW1 0.42 S&ME MW3 0.29

Sediments no benchmarks Process Area Ditches (14 and 10 mg/kg)

Latex Spill Ditch (9.1)

On-site/Off-site ditches (1.4, 0.3)
Davidson Release EM007SD (0.287)

2. Sludge Landfills (Old and New)

Concerns-

- a. Mercury contamination associated with old sludge landfill outfall into the ASB.
- b. Structural Integrity of the current sludge landfill dam.
- c. Dioxin contamination in landfills and into ASB.

Remedy- Proper closeout of the landfills and continued treatment of the leachate.

Soils SRG 2378-TCDF (40 ng/kg)

Old Sludge Landfill EM009SB 2378-TCDF (5.8 ng/kg)

New Sludge Landfill EM007SB 2378-TCDF (190 ng/kg)

EM008SB 2378-TCDF (720 ng/kg) mercury (0.85 mg/kg)

Groundwater 2L 2.2x10⁻¹⁰ mg/l Dioxin; 2L 11 ug/l Mercury

Old Sludge Landfill Outfall to ASB 0.47 ug/l mercury

Sediments

Old Sludge Landfill Outfall to ASB 0.84 mg/kg mercury; 2378-TCDF (420 ng/kg)

3. Aeration and Sedimentation Basin

Concern- Mercury and low levels of dioxin contamination documented in the

sediments and released to the ASB outfall.

Remedy- If the ASB is closed out, further characterization of the sediments will be

required and treatment of the process waste, sanitary waste, and the

leachate collected from the sludge and ash landfills and the cutoff wall will need to be addressed. If not closed out, agreement needed for long-term

financial assurance for eventual closeout.

Surface Water

ASB Mercury (0.35, 0.53 ug/l)

ASB Outfall Mercury (0.36 ug/l)

Sediments

ASB Mercury (1.5, 1.8 mg/kg)

4. Ash Landfills (Old and New)

New: Flyash

NC Solid Waste Permit #88-01

Old: Process sludge and 20,000 cu.yd. flyash

NCD 980 502 827 ("Brown #1")

CERCLA: NFRAP 1988 State IHS: Active

Concern- Sulfates in groundwater associated with the ash landfills;

Surface water runoff and erosion control; structural integrity of the

landfills.

Remedy- Glatfelter to meet industrial landfill permit closure and post-closure care

requirements under terms of Solid Waste Section Compliance Order.

5. Island Landfill NCD 003 166 675 process waste

NC Solid Waste Permit #88-05

CERCLA NFRAP: 1994 State IHS: Active

(This landfill was the primary area of concern during CERCLA Site Inspection in 1985 after the site was initially listed on CERCLIS as the *Olin Corporation Ecusta Paper and Film Group*. Glatfelter currently is working to meet industrial landfill permit closure requirements under NC Solid Waste Section Compliance Order.

Site is now re-activated on CERCLIS with a new site name of *Ecusta Mill* to include all potential Areas of Concern associated with the plant, using the original EPA ID number (NCD 003 166 675).

6. Caustic Plant

Concern- Leaky seal on the caustic pump released approximately 1500-3000 gallons

per day of 50% NaOH for 5 days.

Remedy- Continue pump and treat and monitoring under NC Division of Water

Quality oversight.

7. Asbestos

Concern- Possible asbestos in buildings.

Remedy- Compliance with the North Carolina Asbestos Hazard Management

Program (AHMP) administered by Health Hazards Control

8. Lead Paint

Concern- Lead paint in the old existing structures.

Remedy- Compliance with the North Carolina Lead-Based Paint Hazard

Management Program (LHMP) administered by Health Hazards Control

Other offsite landfills associated with Ecusta Mill and their present status are:

9. O'Shields Fly Ash NCD 980 728 745 22,000 cu.yd. flyash

CERCLA: NFRAP 1984 State IHS: Active

10. Knob Creek NCD 980 729 677 6,000 cu.yd. flyash

CERCLA: NFRAP 1995 State IHS: Active Remediation

11. Camp Strauss NCD 980 729 537 Rubble, C&D, mercury cells

CERCLA: NFRAP 2004 State IHS: NFRAP 1988

Further CERCLA Site Assessment sampling in 2004 detected no

mercury in the subsurface.

12. Owens Landfill NCD 980 503 072 Paper and cellophane waste

CERCLA: NFRAP 1991 State IHS: NFRAP 1992

MEMORANDUM:

July 10, 2008

To: File

From: Cheryl Marks

Re: Rosman Research LF NASA Tracking Station

Pisgah Forest, Transylvania County

Marshall Miller and Associates was contracted by the State's Inactive Hazardous Sites Branch to perform site location research and reporting activities at old landfills and dumps that ceased operating prior to 1983. This research and reporting included the Rosman Research landfill.

1 Fig. 3

1. 10

The results of the investigation determined the site was a private dump operated by the NASA Tracking Station in Transylvania County and never used by a local community. This site is not eligible for further investigation under Senate Bill 1492 and is removed from the Inactive Hazardous Sites Old Landfill Database.



Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor William G. Ross Jr., Secretary

February 1, 2005

Mr. Arthur Wilson Jr. County Manager 28 East Main Street Brevard, North Carolina 28712

Re: Request for Information on old unlined landfills, Transylvania County.

Dear Mr. Wilson,

The Division of Waste Management, Superfund Section, Inactive Hazardous Sites Branch (Branch) is in the process of cataloging old landfills in the state. This letter is being sent to you to solicit your cooperation in providing information on old unlined landfills that are not subject to Division of Waste Management, Solid Waste Section post-closure regulations in your county. This process is a part of a statewide effort to accurately inventory old dumpsites to aid in safe reuse and to protect public health and the environment.

Once an old landfill site has been identified, the site location, site usage, and vicinity usage is researched. Potential hazards to the public and the environment are then evaluated by risk assessment. Sites then are reviewed based on risk and/or by safe redevelopment requests.

The Branch then works with owners and responsible parties on final solutions for containment of the waste and to ensure safe reuse of the old landfill sites. Safe reuse might involve engineering controls to prevent exposure to wastes, if necessary, and restrictive covenants limiting the property to certain uses and setting conditions for construction or other soil disturbing activities. Annual reporting that restrictive covenants remain in place will be a duty of the current owner.

Known old landfills/dump sites are maintained in a database. Attached is a listing of known sites located in your county. Available information that may include location and years of operation information for each site is also listed. Please review the list and verify or provide information that will more accurately characterize the site(s). If you have knowledge of sites not included on the list, please add the additional sites along with location information, directions, years of operation, and any additional notable information.

Please return the list and any additional information within 90 days to:

Cheryl Marks
Inactive Hazardous Sites Branch
Superfund Section
NC Division of Waste Management
401 Oberlin Road - Suite 150
Raleigh, NC 27605-1350

Or you may email me with your response at Cheryl.Marks@ncmail.net or call with any questions concerning this request at (919) 733-2801, extension 283. Thank you for your cooperation.

Sincerely,

Cheryl Marks, Hydrogeologist Inactive Hazardous Site Branch

NC Superfund Section

Old Landfill Inventory - Location Information

Latitude/Longitude and other data in this report is highly subject to inaccuracies. State Plane coordinates replace latitude/longitude entries as data is collected. These coordinates may also be subject to error.

COUNTY: TRANSYLVANIA

Site Name:	BALSAM GROVE DUMP	In	IHS Inventory?	No
ID Number:	NONCD0000594	O	ther Agency Lead	
Site Address:		N)	FA or NFA-Restricted Use	? No
City:		Uı	nable to Locate	0
State Plane X:		La	ntitude: 3	35.1933
State Plane Y:		Lo	ongitude: -82	2.8649
Divactions	OFF CD 1200 O MINI	 		

Directions:

OFF SR 1309, 2 MI W

LDFL Size (Acres):	7	Present Within 1000	ft of Ldf1		
Property Size (Acres):	10	Church	No	Residence On Ldfl?	No
, , ,		School	No	Potable Well Within 500 ft?	No
Date Open:	1965	Day Care	No	Adiation Downstat Civilo	2.5
Date Closed:	1975	Residential	No	Adjoins Perennial SW?	No

Notes:

ite Name:	BREVARD DUMP		In IHS In	ventory?	No			
D Number:	NONCD0000208		Other Ag	Other Agency Lead				
ite Address:			NFA or N	FA-Restricted Use?	No			
lity:	BREVARD		Unable to	Locate	0			
tate Plane X:			Latitude:					
tate Plane Y:			Longitude	e:				
irections:								
irections:								
irections:								
irections:								
irections:								
	ec):	Present Within 1000	ft of Ldfl					
DFL Size (Acr		Present Within 1000 Church	ft of LdfI No	Residence On	Ldfi?	No		
DFL Size (Acr								
DFL Size (Acr		Church	No	Potable Well	Within 500 ft?	Yes		
DFL Size (Acr		Church School	No No		Within 500 ft?			
DFL Size (Acr roperty Size (A ate Open:		Church School Day Care	No No No	Potable Well	Within 500 ft?	Yes		

Site Name:	DAVIDSON RIVER DUMP	In IHS Inventory?	No
ID Number:	NONCD0000591	Other Agency Lead	
Site Address:		NFA or NFA-Restricted Use?	No
City:		Unable to Locate	0
State Plane X:		Latitude: 35.26	4
State Plane Y:		Longitude: -82.6885	;
,			

Directions:

OFF EAGLES NEST RD 3 MI NE

			1	
Property Size (Acres): 10	Church	No	Residence On Ldf1?	No
	School	No	Potable Well Within 500 ft?	No
Date Open: 1966	Day Care	No	A dining Danner in LOXX70	37.
Date Closed:	Residential	No	Adjoins Perennial SW?	No

Notes:

Site Name: LAKE TOXAWAY DUMP In THS Inventory? No ID Number: NONCD0000592 Other Agency Lead HWY 64 Site Address: NFA or NFA-Restricted Use? No 0 City: LAKE TOXAWAY Unable to Locate State Plane X: Latitude: 35.1163 State Plane Y: Longitude: -82.922

Directions: HWY 64 2 MINE

LDFL Size (Acres):	4	Present Within 1000 ft of Ldfl			
Property Size (Acres):	5	Church	No	Residence On Ldfl?	No
,		School	No	Potable Well Within 500 ft?	No
Date Open:	1965	Day Care	No	Adjoins Perennial SW?	No
Date Closed:	1973	Residential	No	Aujous Letennaton:	140

Notes:

Site Name: OLIN-MATHEISON DUMP In THS Inventory? No ID Number: NONCD0000593 Other Agency Lead Site Address: NFA or NFA-Restricted Use? No 0 City: PISGAH FOREST Unable to Locate State Plane X: Latitude: 35.2576 State Plane Y: Longitude: -82.7121

Directions:

PISGAH FOREST PLANT PROPERTY

LDFL Size (Acres):	4	Present Within 1000	ft of Ldfl		
Property Size (Acres):	4	Church	No	Residence On Ldfl?	No
		School	No	Potable Well Within 500 ft?	No
Date Open:	1966	Day Care	No	Adiaina Banannia LCXY/9	NI.
Date Closed:		Residential	No	Adjoins Perennial SW?	Ņо

Notes:

ASH LDFL ON SR 1504 UNDER SWS SUPERVISION

ROSMAN DUMP Site Name: In IHS Inventory? No ID Number: NONCD0000590 Other Agency Lead OLD HWY 64 Site Address: NFA or NFA-Restricted Use? No 0 City: ROSMAN Unable to Locate State Plane X: Latitude: 35.1315 State Plane Y: Longitude: -82.8522

Directions:

OLD HWY 64 3 MI W

LDFL Size (Acres):	3	Present Within 1000 ft of Lo	ti .	· · · · · · · · · · · · · · · · · · ·
Property Size (Acres):	10	Church . N	Residence On Ldfl?	No
T	1044	School N	Potable Well Within 500 ft?	No
Date Open:	1965 .	Day Care N	Adjoins Perennial SW?	Na
Date Closed:	1973	Residential N		No

Notes:

- - 1

Site Name:	ROSMAN RESEARCH LF	In IHS Inventory?	No
ID Number:	NONCD0000589 .	Other Agency Lead	
Site Address:	LAMANCE CREEK	NFA or NFA-Restricted Use?	No
City:		Unable to Locate	0
State Plane X:		Latitude: 35.1974	
State Plane Y:		Longitude: -82.8912	

Directions:

LAMANCE CREEK RD (SR 1326) OFF US 64 @ RESEARCH STATION

LDFL Size (Acres):	0	Present Within 1000 ft of Ldfl			
Property Size (Acres):	355	Church	No	Residence On Ldfl?	No
,		School	No	Potable Well Within 500 ft?	No
Date Open:	1980	Day Care	No	Adjoins Perennial SW?	No
Date Closed:	1986	Residential	No	Aujonis refemitai 5 vv	140

Notes:

NASA LANDFILL. PERMIT # 88-02

(End Site Record)

Number of Sites: 7 (End County Record)